

Medium

100
Millimetres
0 10
DO NOT SCALE

Structure and Manhole Schedule						
Structure Name	Easting	Northing	Cover Level	Structure Depth (m)	Connected Pipes	Structure Type
Channel Outlet	287932.568	206749.742	60.557	-		Wingwall Headwall
Gully	287953.622	206741.930	59.945	0.850	4.000 Inv. 59.395	Road gully 150mm trapped outlet
Inlet Structure	287942.354	206738.332	61.400	3.260	1.000 Inv. 58.140 2.000 Inv. 58.140	Bespoke Inlet Structure
MH1	287940.320	206701.979	58.705	2.795	1.001 Inv. 55.910 1.000 Inv. 55.910	2100 Dia Type 3 Chamber
MH1A	287942.856	206701.914	59.130	1.509	2.000 Inv. 57.621 2.001 Inv. 57.621	1150 x 1000 Type 10 Chamber
MH2	287929.639	206684.197	57.076	2.156	1.001 Inv. 54.920 1.002 Inv. 54.920	1800 Dia Type 2 Chamber
MH3	287937.749	206641.988	56.571	2.551	1.002 Inv. 54.442 1.003 Inv. 54.020	2100 Dia Type 3 Chamber
MH3-1	287938.449	206742.288	59.878	0.754	3.000 Inv. 59.124 3.001 Inv. 59.124	1200 x 825 DMRB Type 1 Chamber
MH4	287945.726	206617.272	56.368	2.508	1.003 Inv. 53.860 1.004 Inv. 53.996	2100 Dia Type 3 Chamber
MH6	287966.444	206571.492	56.349	3.408	1.004 Inv. 53.701 1.006 Inv. 52.941	2100 Dia Type 3 Chamber
MH7	287911.287	206546.217	55.439	2.846	1.006 Inv. 52.593 1.007 Inv. 52.593	2100 Dia Type 3 Chamber
MH8	287919.730	206521.969	55.452	3.034	1.007 Inv. 52.180 1.008 Inv. 52.418	2100 Dia Type 3 Chamber
MH9	287941.653	206468.597	55.027	2.880	1.008 Inv. 52.147 1.009 Inv. 52.147	2100 Dia Type 3 Chamber
MH9A	287961.003	206424.439	55.407	3.682	1.009 Inv. 51.921 1.009A Inv. 51.725	3000 Dia Bespoke Chamber
MH10	287965.610	206413.927	55.293	3.568	1.009A Inv. 51.725 1.010 Inv. 51.725	3000 Dia Bespoke Chamber
MH10A	287918.367	206353.597	54.670	3.163	1.010 Inv. 51.507 1.011 Inv. 51.507	2100 Dia Type 3 Chamber
MH11	287911.822	206338.302	54.635	3.206	1.011 Inv. 51.429 1.012 Inv. 51.429	2100 Dia Type 3 Chamber
MH12	287924.213	206286.683	53.296	2.116	1.012 Inv. 51.180 1.013 Inv. 51.180	1800 Dia Type 2 Chamber
MH13	287875.879	206222.934	53.218	2.413	1.013 Inv. 50.805 1.014 Inv. 50.805	2100 Dia Type 3 Chamber
MH14	287863.006	206205.955	53.216	2.512	1.014 Inv. 50.704 1.015 Inv. 50.704	2100 Dia Type 3 Chamber
Outlet	287864.095	206202.421	52.385	-	1.015 Inv. 50.686	Wingwall Headwall

Pipe Schedule					
Pipe Name	Size (mm) & Material	Plan Length (m)	Slope	Start Invert Level	End Invert Level
1.000	900mm Concrete Pipe	32.453	1:14.52	58.140	55.910
1.001	900mm Concrete Pipe	20.767	1:20.95	55.910	54.920
1.002	900mm Concrete Pipe	42.984	1:90.00	54.920	54.442
1.003	900mm Concrete Pipe	25.972	1:162.32	54.020	53.860
1.004	900mm Concrete Pipe	50.250	1:316.33	53.860	53.701
1.006	900mm Concrete Pipe	80.673	1:174.53	52.941	52.593
1.007	900mm Concrete Pipe	25.677	1:146.70	52.593	52.418
1.008	900mm Concrete Pipe	57.700	1:213.00	52.418	52.147
1.009A	1500 x 500mm Concrete Box Culvert	11.477	Horizontal	51.725	51.725
1.009	900mm Concrete Pipe	48.212	1:213.00	52.147	51.921
1.010	900mm Concrete Pipe	76.626	1:351.50	51.725	51.507
1.011	900mm Concrete Pipe	16.637	1:213.00	51.507	51.429
1.012	900mm Concrete Pipe	53.085	1:213.00	51.429	51.180
1.013	900mm Concrete Pipe	80.001	1:213.00	51.180	50.805
1.014	900mm Concrete Pipe	21.308	1:213.00	50.805	50.704
1.015	900mm Concrete Pipe	3.698	1:198.98	50.704	50.686
2.000	900mm Concrete Pipe	32.426	1:62.47	58.140	57.621
2.001	900mm Concrete Pipe	8.423	1:51.04	57.621	57.456
3.000	300mm Concrete Pipe	9.488	1:15.32	59.742	59.124
3.001	300mm Concrete Pipe	2.247	1:10.00	59.124	58.900
4.000	150mm HDPE Pipe	9.629	1:10.71	59.395	58.500

NOTE: ALL MANHOLES TO HAVE BOLTED D400 LOADING CLASS COVERS TO BS EN 124.

NOTE: MANHOLE MH14 IS A SHW HCD TYPE 3 CHAMBER BUT SHALL BE WITH A LARGER D400 DOUBLE TRIANGULAR COVER WITH A 1220 x 675 CLEAR OPENING IN THE COVER AND COVER SLAB FOR MAINTENANCE AND REMOVAL OF FLAP VALVE.

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NOTES

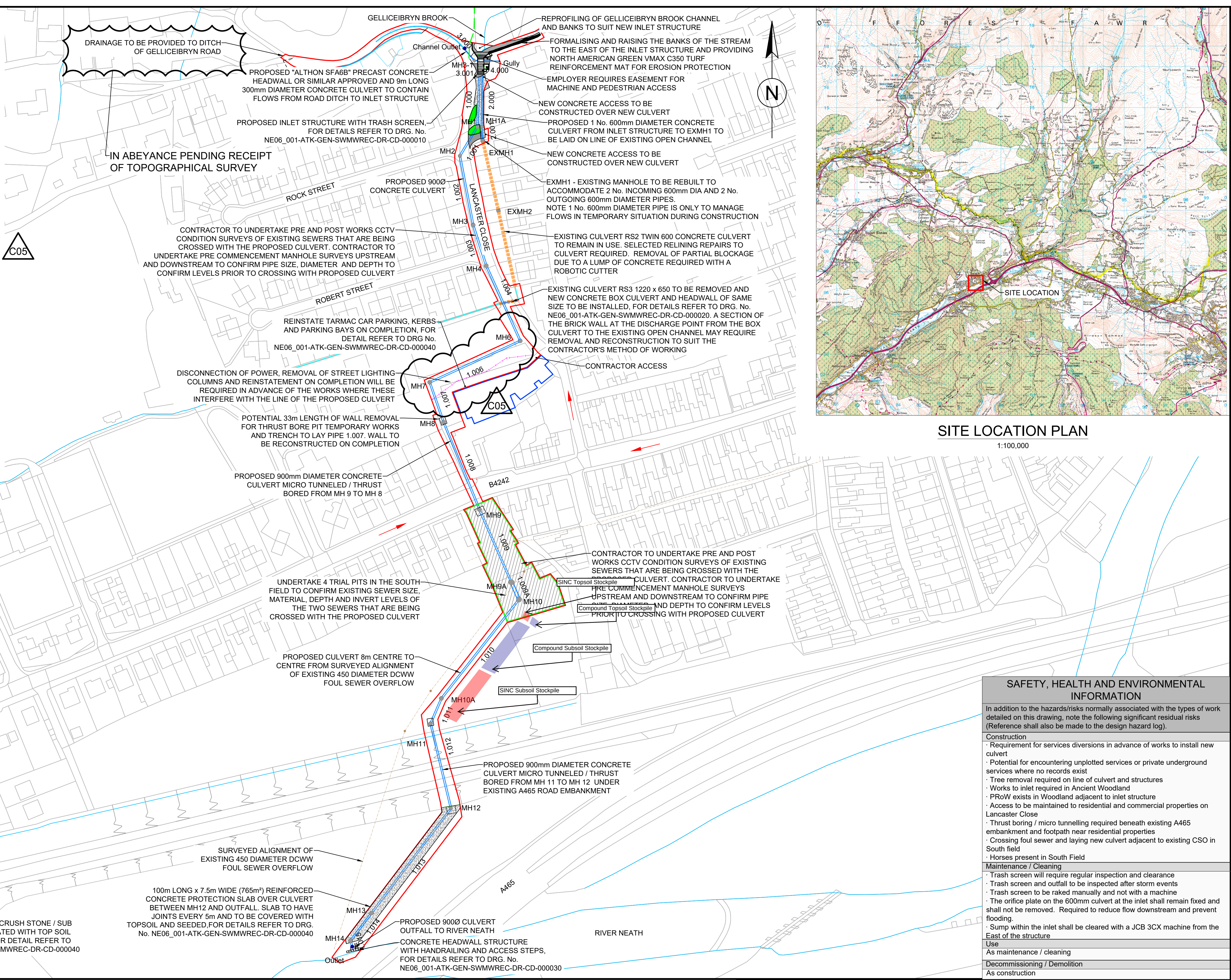
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
- ALL WASTE MATERIAL TO BE DISPOSED TO CONTRACTORS LICENSED TIP.
- FOR DETAILS OF TYPE 2 MANHOLE CHAMBER REFER TO MCHW-HCD FIGURE F4.
- FOR DETAILS OF TYPE 3 MANHOLE CHAMBER REFER TO MCHW-HCD FIGURE F5.
- FOR DETAILS OF TYPE 10 MANHOLE CHAMBER REFER TO MCHW-HCD FIGURE F26.
- FOR TREE PLANTING LOCATIONS, NUMBER OF AND TYPE REFER TO NEATH PORT TALBOT COUNTY BOROUGH COUNCIL ENVIRONMENTAL SPECIFICATION.
- FOR SINC ENHANCEMENTS AND SEEDING REFER TO NEATH PORT TALBOT COUNTY BOROUGH COUNCIL ENVIRONMENTAL SPECIFICATION.
- THE CONTRACTOR SHALL ALLOW TO SUPPLY, FIX AND INSTALL 5 BIRD BOXES AND INSTALL 5 BAT BOXES.
- FOR EXISTING UTILITY INFORMATION REFER TO DRAWING NUMBER NE06_001-ATK-GEN-SWMWREC-DR-CD-000070.
- FOR PROPOSED UTILITY DIVERSION INFORMATION REFER TO DRAWING NUMBERS NE06_001-ATK-GEN-SWMWREC-DR-CD-000071 & 000072.

KEY

- PLANNING BOUNDARY (BASED ON THE SITE COMPOUND AND ANTICIPATED ACCESS ROUTES)
- NEATH PORT TALBOT COUNTY BOROUGH COUNCIL CAR PARK TO REMAIN OPEN TO PUBLIC
- PUBLIC RIGHT OF WAY
- SITE COMPOUND
- SITE ACCESS

Description TENDER - FOR CLIENT REVIEW							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
D2	P02	DJW	MT	RAM	---	10/12/21	
Description FOR TENDER							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
D2	C02	DJW	MT	RAM	RAM	31/01/22	
Description FOR TENDER							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
D2	C03	DJW	MT	RAM	RAM	18/05/22	
Description FOR CONSTRUCTION							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
A1	C04	DJW	MT	RAM	RAM	06/07/22	
Description FOR CONSTRUCTION							
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	
A1	C05	DJW	MT	DF	DF	02/09/22	

Drawing Suitability		Status		Project Title	
APPROVED - PUBLISHED		A1		ROCK STREET	
SNC • LAVALIN ATKINS Member of the SNC•Lavalin Group Copyright © SNC Lavalin (2019)		West Glamorgan House 12 Orchard Street Swansea West Glamorgan SA1 5AD Tel: +44 (0)1792 641172 Fax: +44 (0)1792 472019 www.atkinsglobal.com		Drawing Title PROPOSED SCHEME OVERVIEW	
Client Neath Port Talbot County Borough Council		Drawing Number Project NE06_001 - ATK - GEN - SWMWREC - DR - CD - 000001		Drawing Title Project NE06_001 - ATK - GEN - SWMWREC - DR - CD - 000001	
Original Size: A1		Scale: 1:1250		Project Ref. No: 5192792	
				Sheet: 1 of 1	
				Rev: C05	



SITE LOCATION PLAN

1:100,000

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

- Construction
 - Requirement for services diversions in advance of works to install new culvert
 - Potential for encountering unplotted services or private underground services where no records exist
 - Tree removal required on line of culvert and structures
 - Works to inlet required in Ancient Woodland
 - PRoW exists in Woodland adjacent to inlet structure
 - Access to be maintained to residential and commercial properties on Lancaster Close
 - Thrust boring / micro tunnelling required beneath existing A465 embankment and footpath near residential properties
 - Crossing foul sewer and laying new culvert adjacent to existing CSO in South field
 - Horses present in South Field
- Maintenance / Cleaning
 - Trash screen will require regular inspection and clearance
 - Trash screen and outfall to be inspected after storm events
 - Trash screen to be raked manually and not with a machine
 - The orifice plate on the 600mm culvert at the inlet shall remain fixed and shall not be removed. Required to reduce flow downstream and prevent flooding
 - Sump within the inlet shall be cleared with a JCB 3CX machine from the East of the structure
- Use
 - As maintenance / cleaning
- Decommissioning / Demolition
 - As construction